

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/527,832
Source: PGT/10
Date Processed by STIC: 3/25/05

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 03/25/2005

PATENT APPLICATION: US/10/527,832

TIME: 09:03:02

Input Set : A:\955-39 PCT US.txt

Output Set: N:\CRF4\03252005\J527832.raw

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3 <110> APPLICANT: Cornell Research Foundation
5 <120> TITLE OF INVENTION: Homing Peptides to Receptors of Heart Vasculature
7 <130> FILE REFERENCE: 955-39 PCT US
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/527,832
10 <141> CURRENT FILING DATE: 2005-03-15
12 <150> PRIOR APPLICATION NUMBER: US 60/412,330
13 <151> PRIOR FILING DATE: 2002-09-19
15 <150> PRIOR APPLICATION NUMBER: PCT/US03/29379
16 <151> PRIOR FILING DATE: 2003-09-18
18 <160> NUMBER OF SEQ ID NOS: 9
20 <170> SOFTWARE: PatentIn version 3.1
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 7
24 <212> TYPE: PRT
25 <213> ORGANISM: Artificial sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: Homing peptide to heart vasculature
30 <220> FEATURE:
31 <221> NAME/KEY: MISC_FEATURE
32 <222> LOCATION: (3)..(3)
33 <223> OTHER INFORMATION: X is Q or E
36 <400> SEQUENCE: 1
W--> 38 Gln Ala Xaa Gly Gln Leu Val
39 1 5
42 <210> SEQ ID NO: 2
43 <211> LENGTH: 7
44 <212> TYPE: PRT
45 <213> ORGANISM: Artificial sequence
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50 <220> FEATURE:
51 <221> NAME/KEY: MISC_FEATURE
52 <222> LOCATION: (2)..(2)
53 <223> OTHER INFORMATION: X is R or W
56 <400> SEQUENCE: 2
W--> 58 Gly Xaa Arg Phe Ile Arg Val
59 1 5
62 <210> SEQ ID NO: 3
63 <211> LENGTH: 7
64 <212> TYPE: PRT
65 <213> ORGANISM: Artificial sequence
67 <220> FEATURE:
68 <223> OTHER INFORMATION: Homing peptide to heart vasculature

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70 <400> SEQUENCE: 3
72 Gln Ala Gln Gly Gln Leu Val
73 1 5
76 <210> SEQ ID NO: 4
77 <211> LENGTH: 7
78 <212> TYPE: PRT
79 <213> ORGANISM: Artificial sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Homing peptide to heart vasculature
84 <400> SEQUENCE: 4
86 Ala Arg Arg Gly Gln Ala Val
87 1 5
90 <210> SEQ ID NO: 5
91 <211> LENGTH: 7
92 <212> TYPE: PRT
93 <213> ORGANISM: Artificial sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Homing peptide to heart vasculature
98 <400> SEQUENCE: 5
100 Gly Arg Arg Phe Ile Arg Val
101 1 5
104 <210> SEQ ID NO: 6
105 <211> LENGTH: 152
106 <212> TYPE: PRT
107 <213> ORGANISM: Homo sapiens
109 <400> SEQUENCE: 6
111 Arg Thr Pro Ser Asp Lys Pro Val Ala His Val Val Ala Asn Pro Gln
112 1 5 10 15
115 Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg Ala Asn Ala Leu Leu
116 20 25 30
119 Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu Val Val Pro Ser Glu
120 35 40 45
123 Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe Lys Gly Gln Gly Cys
124 50 55 60
127 Pro Ser Thr His Val Leu Leu Thr His Thr Ile Ser Arg Ile Ala Val
128 65 70 75 80
131 Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala Ile Lys Ser Pro Cys
132 85 90 95
135 Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys Pro Trp Tyr Glu Pro
136 100 105 110
139 Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys Gly Asp Arg Leu Ser
140 115 120 125
143 Ala Glu Ile Asn Arg Pro Asp Tyr Leu Leu Phe Ala Glu Ser Gly Gln
144 130 135 140
147 Val Tyr Phe Gly Ile Ile Ala Leu
148 145 150
151 <210> SEQ ID NO: 7
152 <211> LENGTH: 119
153 <212> TYPE: PRT

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156 <400> SEQUENCE: 7
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159 1      5      10      15
162 Ser Glu Trp Val Thr Ala Ala Asp Lys Lys Thr Ala Val Asp Met Ser
163      20      25      30
166 Gly Gly Thr Val Thr Val Leu Glu Lys Val Pro Val Ser Lys Gly Gln
167      35      40      45
170 Leu Lys Gln Tyr Phe Tyr Glu Thr Lys Cys Asn Pro Met Gly Tyr Thr
171      50      55      60
174 Lys Glu Gly Cys Arg Gly Ile Asp Lys Arg His Trp Asn Ser Gln Cys
175 65      70      75      80
178 Arg Thr Thr Gln Ser Tyr Val Arg Ala Leu Thr Met Asp Ser Lys Lys
179      85      90      95
182 Arg Ile Gly Trp Arg Phe Ile Arg Ile Asp Thr Ser Cys Val Cys Thr
183      100     105     110
186 Leu Thr Ile Lys Arg Gly Arg
187      115
190 <210> SEQ ID NO: 8
191 <211> LENGTH: 7
192 <212> TYPE: PRT
193 <213> ORGANISM: Artificial sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: Homing peptide to heart vasculature
198 <400> SEQUENCE: 8
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201 1      5
204 <210> SEQ ID NO: 9
205 <211> LENGTH: 7
206 <212> TYPE: PRT
207 <213> ORGANISM: Artificial sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Homing peptide to heart vasculature
212 <400> SEQUENCE: 9
214 Gly Trp Arg Phe Ile Arg Val
215 1      5

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RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 3
Seq#:2; Xaa Pos. 2

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/527,832

DATE: 03/25/2005

TIME: 09:03:03

Input Set : A:\955-39 PCT US.txt

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L:9 M:270 C: Current Application Number differs, Replaced Current Application Number

L:38 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0

L:58 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0